

# East Branch Dam Safety Initiative

**PUBLIC INFORMATION MEETING**  
**4 May, 2010**

**Johnsonburg, Pa**



US Army Corps of Engineers  
**BUILDING STRONG®**



# Agenda

- Background
- Proposed Plan
- Way Ahead
- Questions

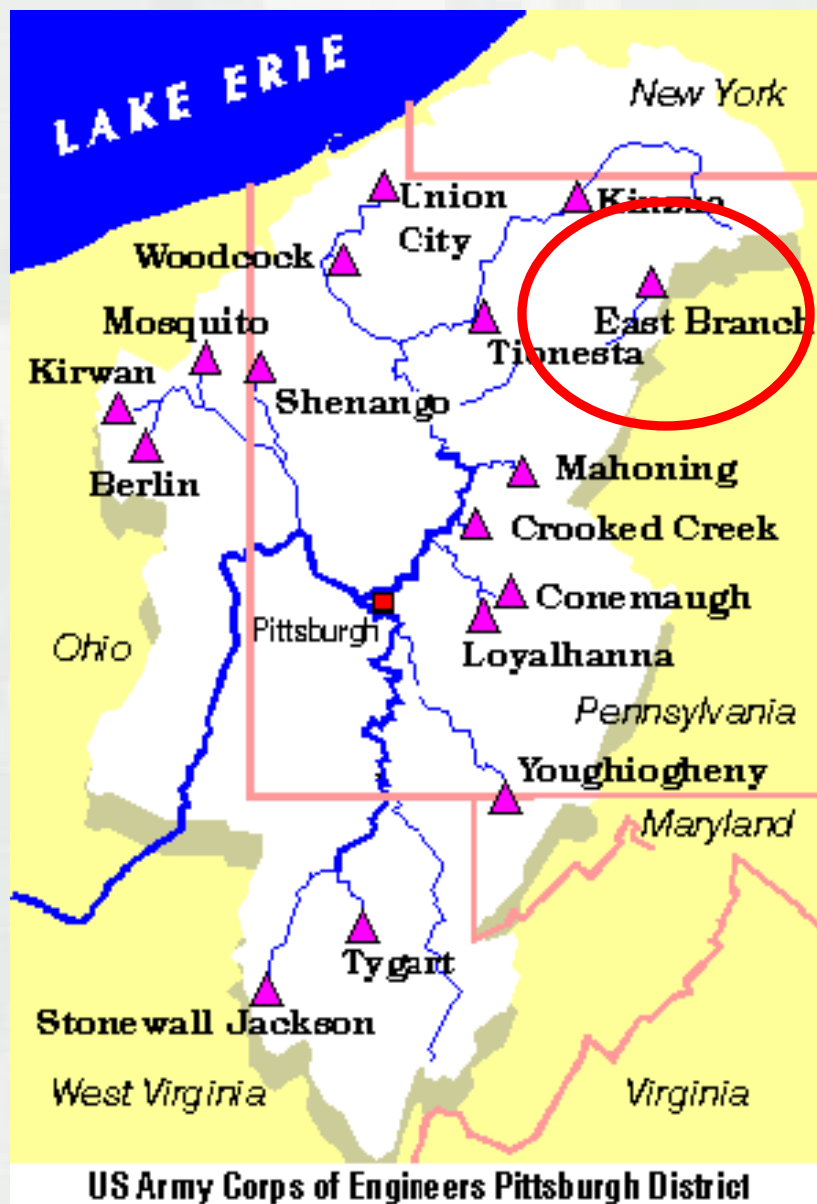




# Dam Safety Initiative Objectives

- Maintain public safety
- Minimize environmental & economic impacts
- Engage all interested parties to keep them informed & involved





## Authorized Purposes

- Flood Control
- Water Quality
- Recreation

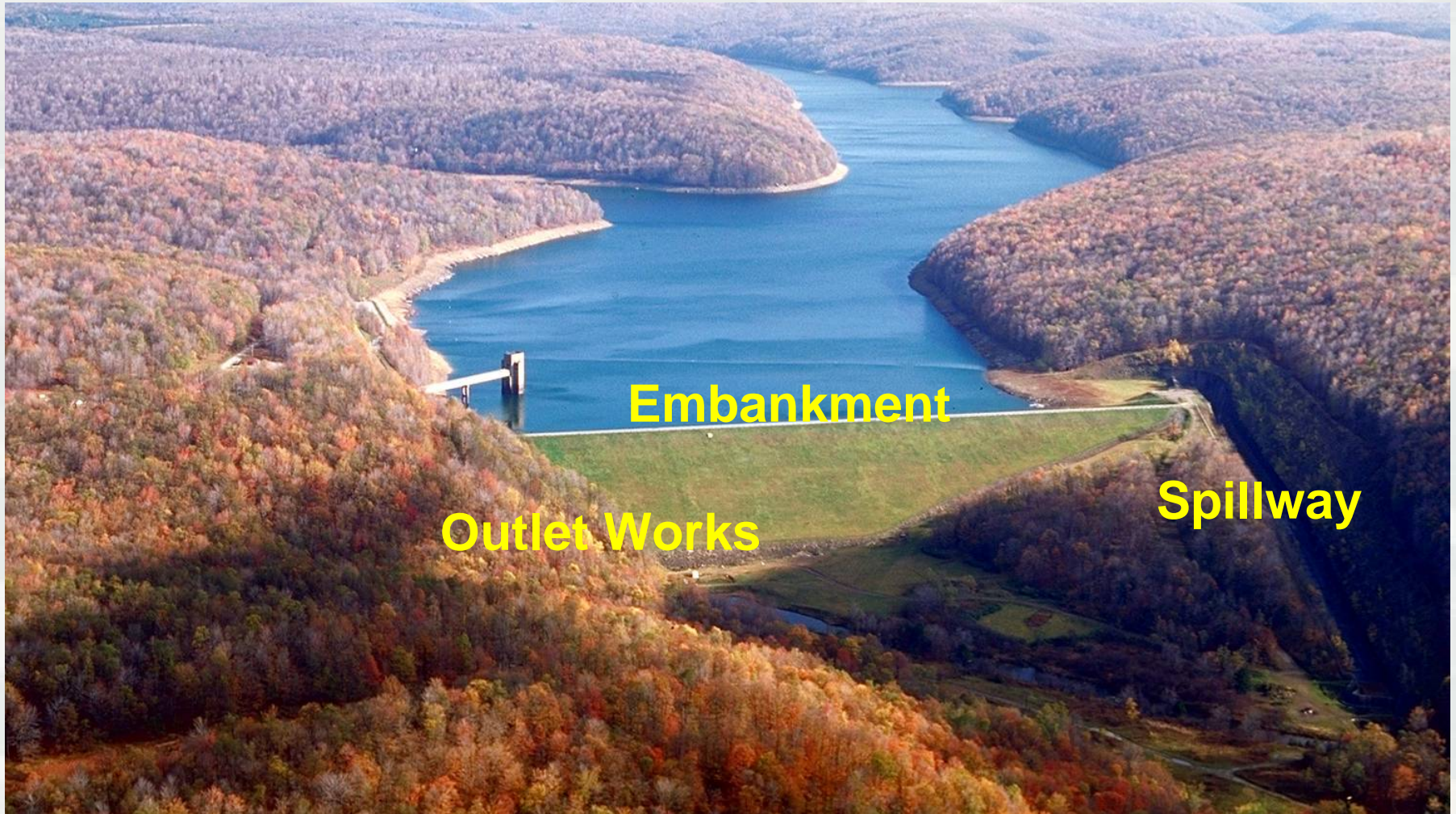


# Area Orientation





# Site Orientation



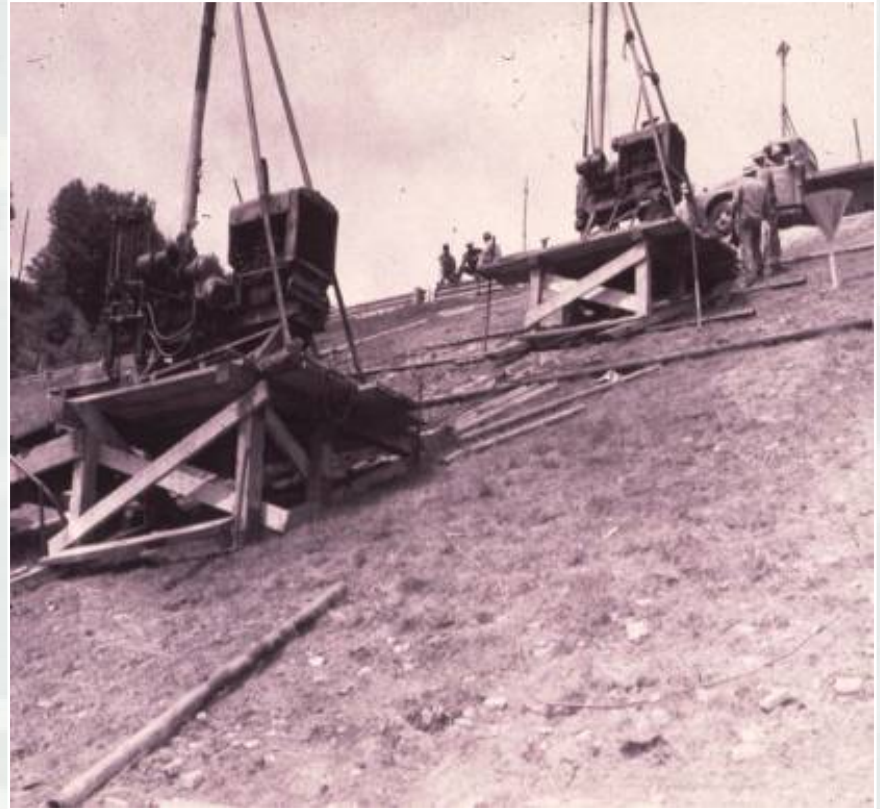
# East Branch Dam History

**1952 - Dam complete**

**1957 - Serious seepage incident**

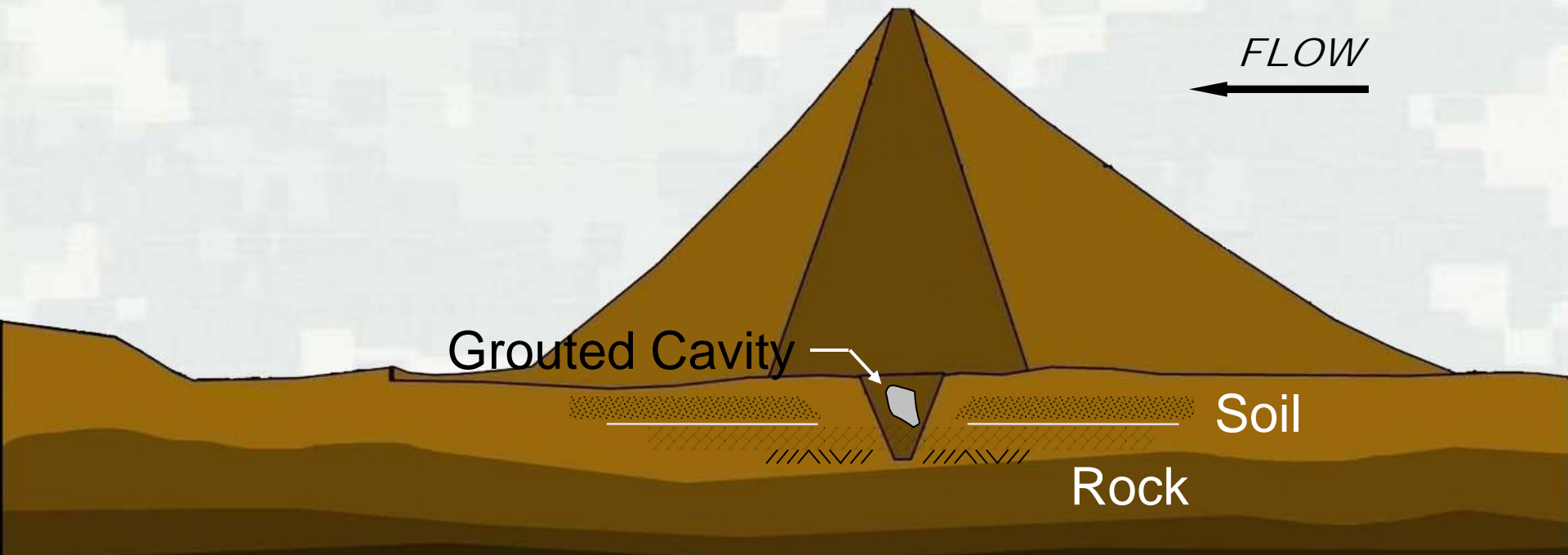
**2005 - Risk-Informed approach**

**2008 - Concluded the potential for seepage-related failure still exists**





# 1957 Cavity & Grouting





# What We Have Done

- Interim risk reduction
  - Lower pool
  - Monitoring
- Dam safety drill & exercise
- Site investigations
- Water intake extension
- Boat ramp extension
- Environmental Assessment
- Dam Safety Study



# **Dam Safety Study Alternatives**

**Maintain Lower Pool**

**Remove Dam**

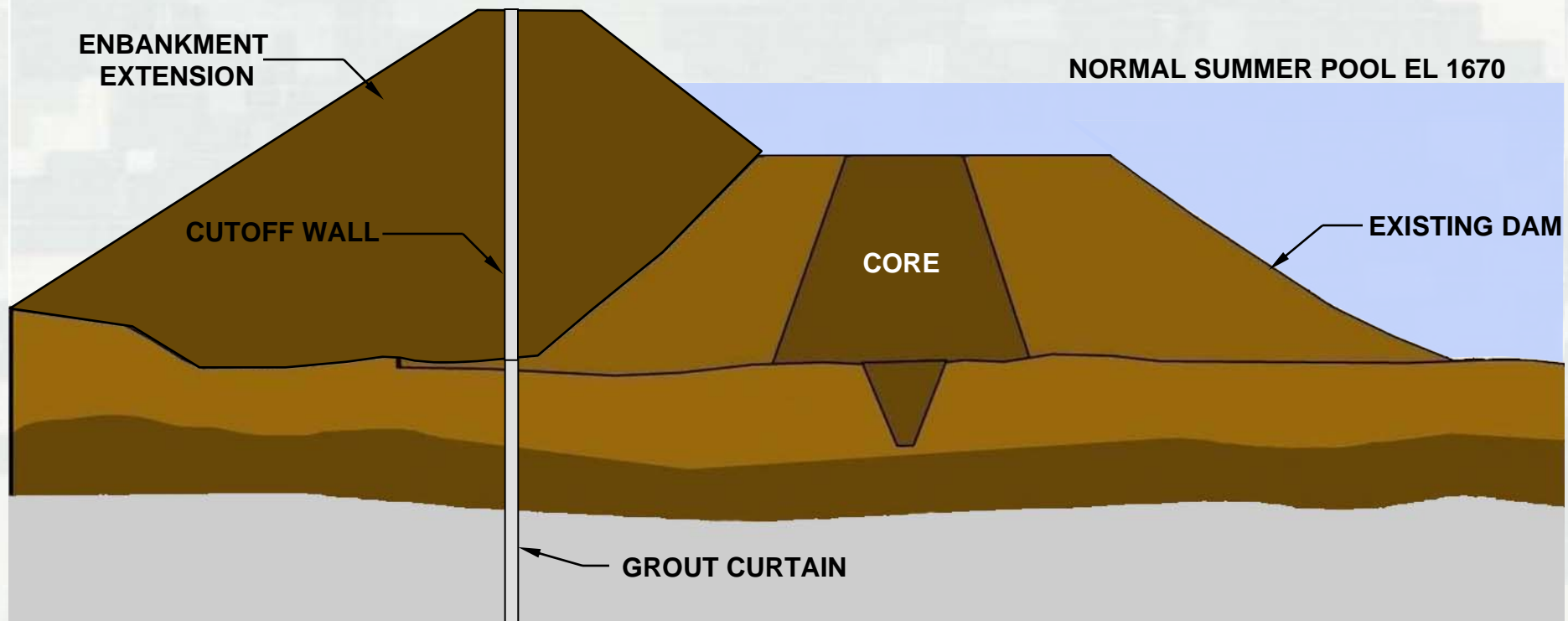
**Earthen Extension**

**Concrete Structure**

**Concrete Cutoff wall**

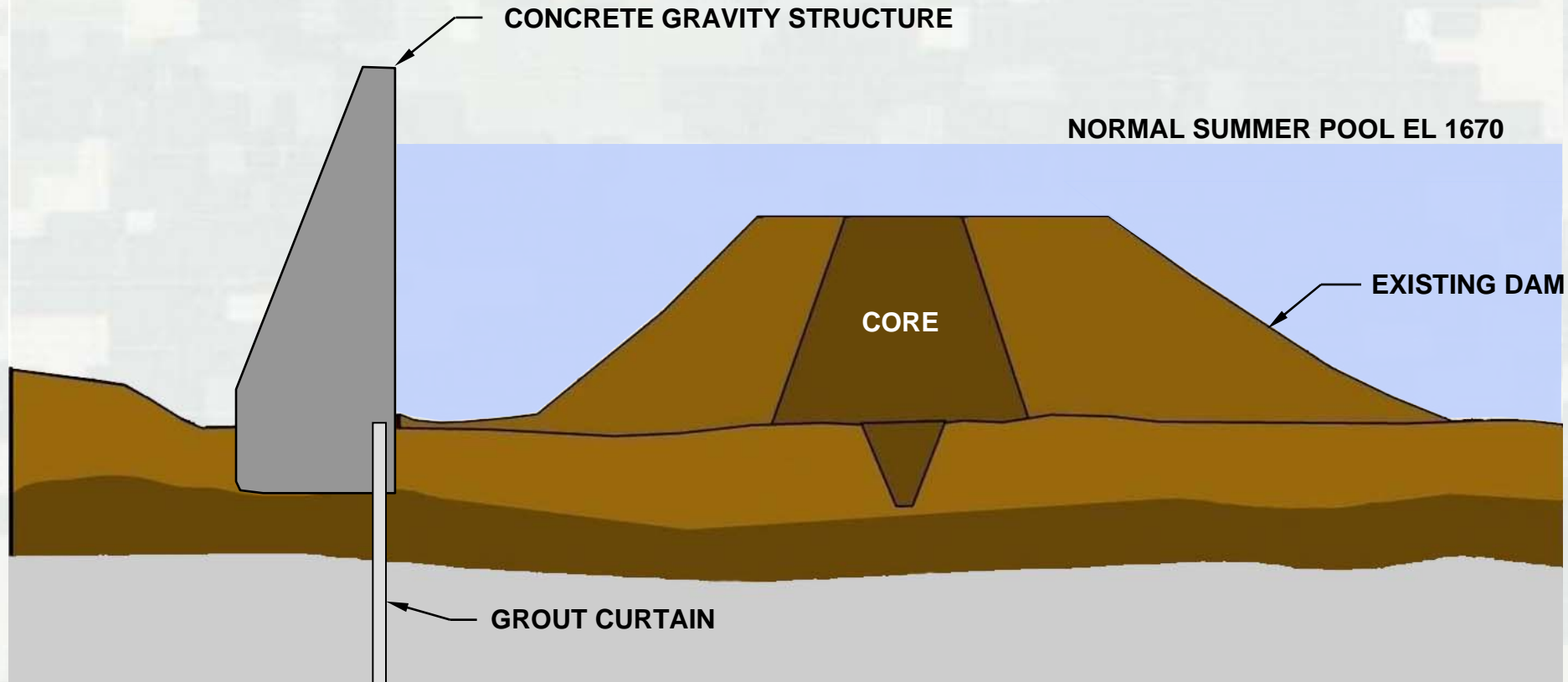


# Earthen Extension

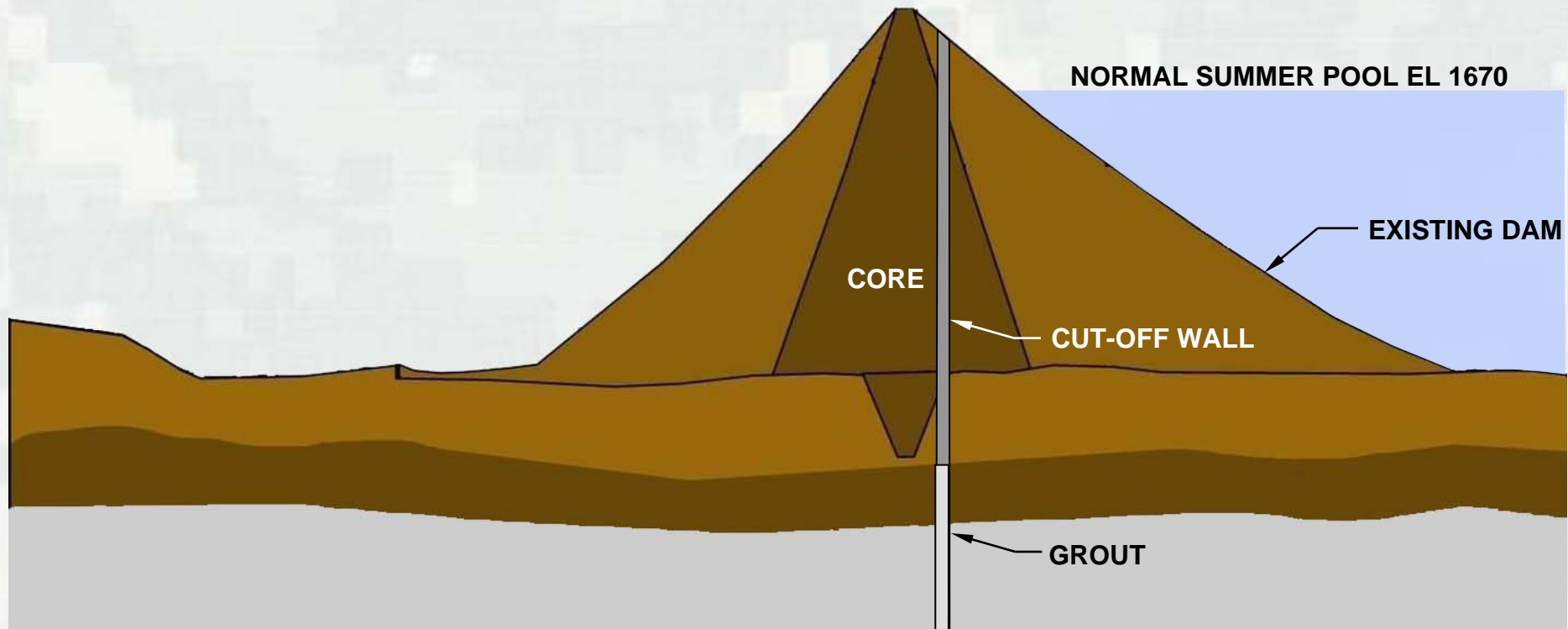




# Concrete Structure



# Concrete Cutoff Wall



# **Dam Safety Study**

## **Key Evaluation Factors**

**Risk Reduction**

**Maintain Authorized Purposes**

**Environmental Impacts**

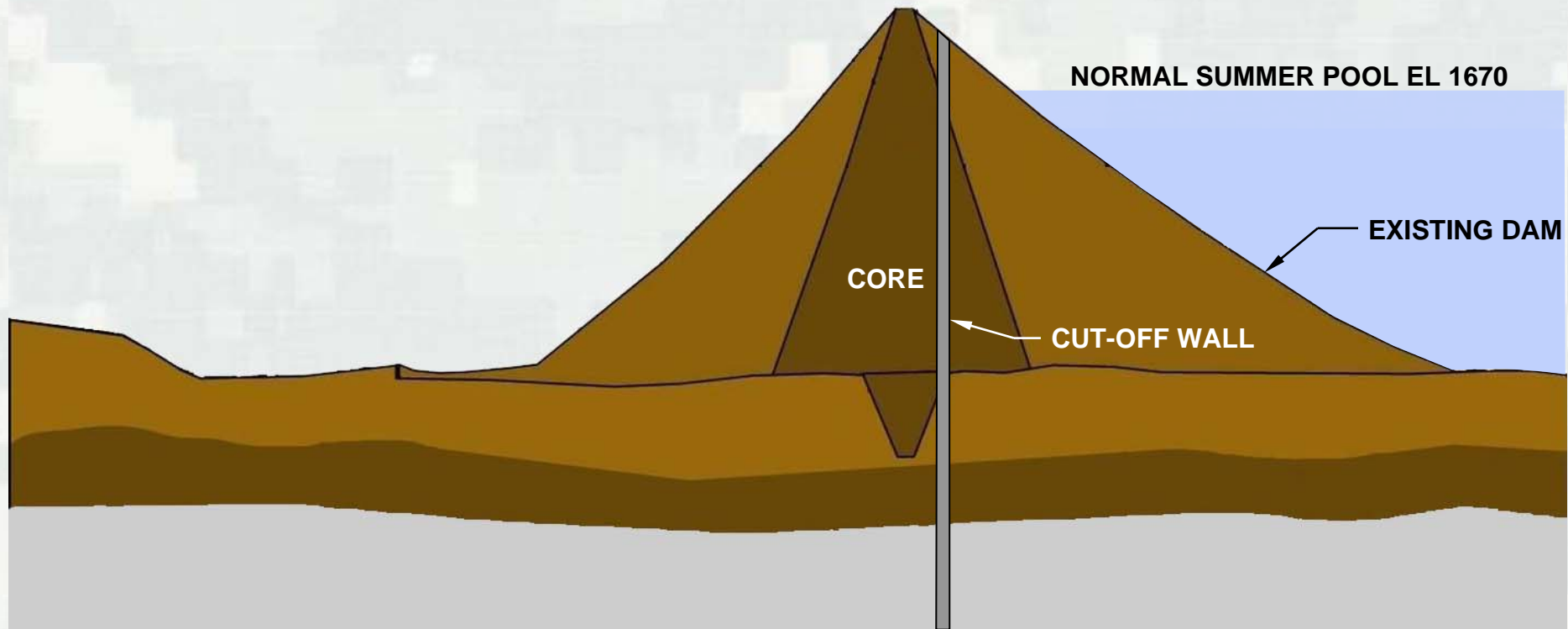
**Economic Impacts**

**Cost**

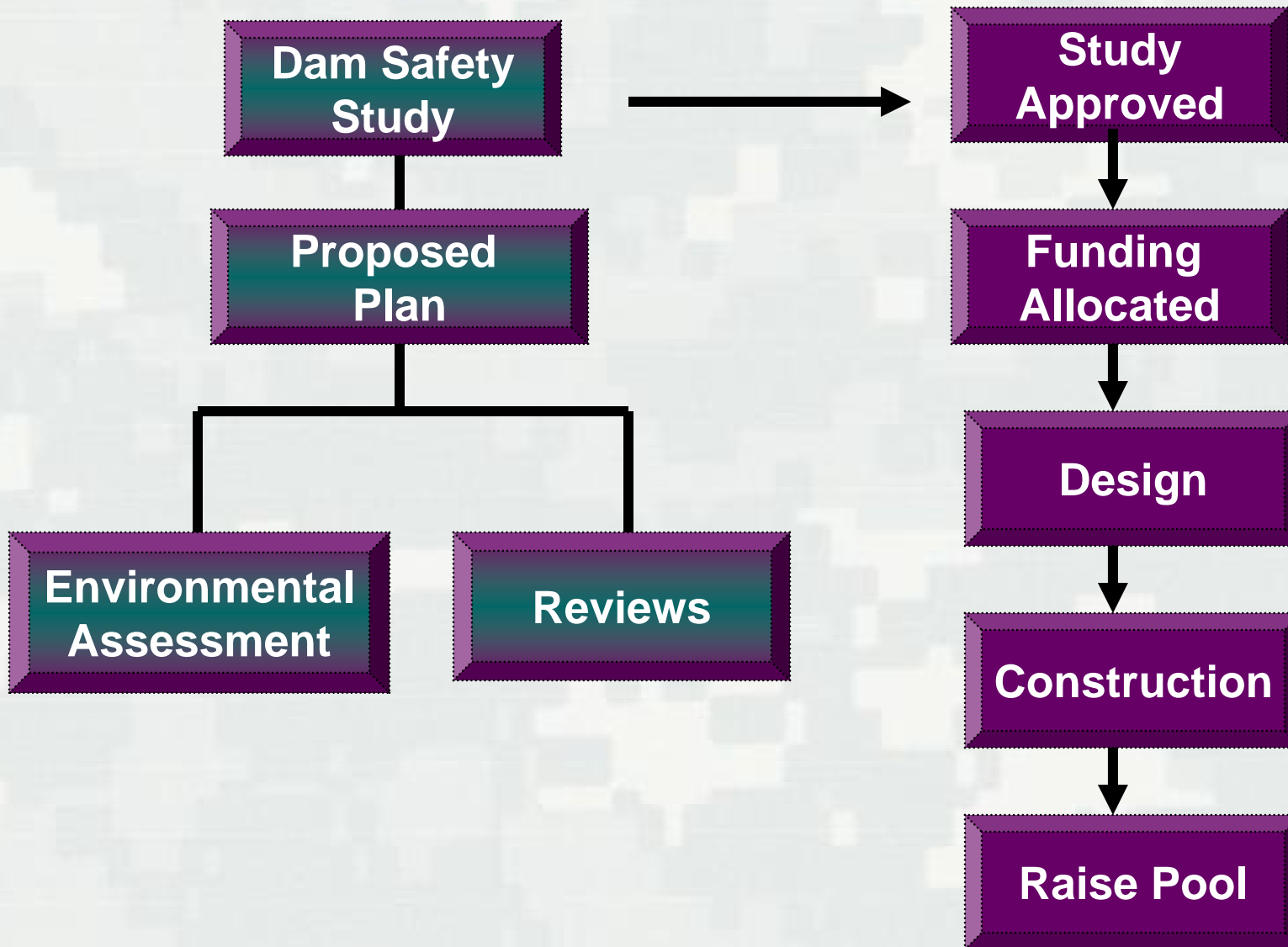




# Proposed Alternative



# The Way Ahead



# Contact Information

## Resources

### East Branch Dam Operations

Gary Froelich

East Branch Park Manager, 814-965-2065

E-mail: Gary.A.Froelich@usace.army.mil

### Media & General Inquiries

Jeff Hawk

Public Affairs, 412-395-7500

E-mail: Jeffrey.S.Hawk2@usace.army.mil



### **Website:**

[www.lrp.usace.army.mil/rec/lakes/eastbran.htm](http://www.lrp.usace.army.mil/rec/lakes/eastbran.htm)

**Email:** EastBranch@usace.army.mil

